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(54) Title: NICKEL CATALYST FOR HYDROGENATION REACTIONS

(57) Abstract: The present invention relates to a catalyst nickel, silica, alumina and magnesium, wherein the nickel to magnesium atomic ratio is 5-75. In particular the present invention relates to a catalyst comprising nickel, silica, alumina and magnesium, wherein the nickel to silicon atomic ratio (Ni/Si) is 2 to 30 the nickel to aluminum atomic ratio (Ni/Al) is 9 to 40 and the nickel to magnesium atomic ratio (Ni/Mg) is 5-75. The invention further relates to a method for preparing such a catalyst. The invention further relates to a process for hydrogenating unsaturated organic compounds.

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